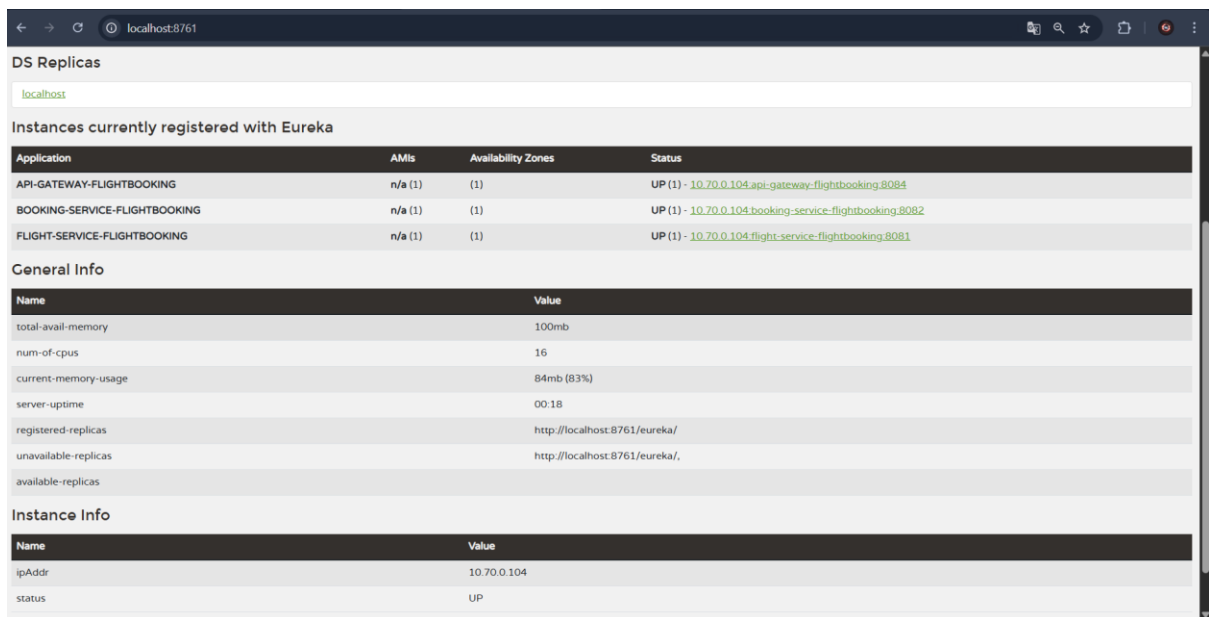


Flightbooking using Micorservices

Eureka server :

<http://localhost:8761/>



DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:api-gateway-flightbooking:8084
BOOKING-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:booking-service-flightbooking:8082
FLIGHT-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:flight-service-flightbooking:8081

General Info

Name	Value
total-avail-memory	100mb
num-of-cpus	16
current-memory-usage	84mb (83%)
server-uptime	00:18
registered-replicas	http://localhost:8761/eureka/
unavailable-replicas	http://localhost:8761/eureka/
available-replicas	

Instance Info

Name	Value
ipAddr	10.70.0.104
status	UP

Postman :

Using api gateway

Using mongoDb

Add inventory:

The screenshot shows a Postman interface for a new request. The URL is `http://localhost:8084/api/v1.0/flight/airline/inventory/add`. The request is a POST with a raw JSON body. The response is a 201 Created status with a 45 ms response time and 145 B of data.

```
1 {
2   "airlineName": "Indigo",
3   "fromPlace": "Chennai",
4   "toPlace": "Bangalore",
5   "departureTime": "2025-12-10T10:00:00",
6   "arrivalTime": "2025-12-10T12:00:00",
7   "tripType": "ONE-WAY",
8   "priceOneWay": 3500,
9   "priceRoundTrip": 0,
10  "totalSeats": 120
11 }
```

Body: 201 Created • 45 ms • 145 B

Raw: 1 6930db8025b45b0fe4b8015d

Search flights:

The screenshot shows a Postman interface for a new request. The URL is `http://localhost:8081/api/v1.0/flight/search`. The request is a POST with a raw JSON body. The response is a 200 OK status with an 81 ms response time and 432 B of data.

```
1 {
2   "fromPlace": "Hyderabad",
3   "toPlace": "Bangalore",
4   "journeyDate": "2025-12-10",
5   "tripType": "ONE-WAY"
6 }
```

Body: 200 OK • 81 ms • 432 B

JSON: 1 [2 { 3 "flightId": "6930cbd877157c2d5b251bf5", 4 "departureTime": "2025-12-10T10:00:00", 5 "arrivalTime": "2025-12-10T12:00:00", 6 "airlineName": "Indigo", 7 "priceOneWay": 3500.0, 8 "priceRoundTrip": 0.0, 9 "tripType": "ONE-WAY", 10 "availableSeats": 120, 11 "fromPlace": "Hyderabad", 12 "toPlace": "Bangalore" 13 } 14]

Get flight using id:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

21 ms

380 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```

Booking using id:

flightApp-microservices / New Request

POST

http://localhost:8084/api/v1.0/booking/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (8)

Body

Scripts

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Schema

Beautify

Body

Cookies

Headers (3)

Test Results

201 Created

432 ms

577 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "pnr": "2FPISEYW",
3   "customerName": "Sravya",
4   "email": "sravya@gmail.com",
5   "fromPlace": "Chennai",
6   "toPlace": "Bangalore",
7   "journeyDate": "2025-12-10",
8   "departureTime": "2025-12-10T10:00:00",
9   "arrivalTime": "2025-12-10T12:00:00",
10  "passengers": [
11    { "name": "Sravya", "gender": "F", "age": 21 },
12    { "name": "Anu", "gender": "F", "age": 22 }
13  ]
14 }
```

Get ticket by pnr :

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/booking/ticket/2FPISEYW

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK • 51 ms • 568 B • Save Response

JSON

Preview

Visualize

1

{

2

"pnr": "2FPISEYW",

3

"customerName": "Sravya",

4

"email": "sravya@gmail.com",

5

"fromPlace": "Chennai",

6

"toPlace": "Bangalore",

7

"journeyDate": "2025-12-10",

8

"departureTime": "2025-12-10T10:00:00",

9

"arrivalTime": "2025-12-10T12:00:00",

10

"airlineName": "Indigo",

11

"numberOfSeats": 2,

12

"seatNumbers": "12A,12B",

13

"mealPreference": "VEG",

14

"cancelled": false,

Get history by email:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/booking/history/sravya@gmail.com

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (4)

Test Results

200 OK • 30 ms • 614 B • Save Response

JSON

Preview

Visualize

1

[

2

{

3

"pnr": "2FPISEYW",

4

"customerName": "Sravya",

5

"email": "sravya@gmail.com",

6

"fromPlace": "Chennai",

7

"toPlace": "Bangalore",

8

"journeyDate": "2025-12-10",

9

"departureTime": "2025-12-10T10:00:00",

10

"arrivalTime": "2025-12-10T12:00:00",

11

"airlineName": "Indigo",

12

"numberOfSeats": 2,

13

"seatNumbers": "12A,12B",

14

"mealPreference": "VEG",

15

"cancelled": false,

Candle by pnr:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

14 ms

380 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```

Get flights by id :

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

14 ms

380 B

Save Response

JSON

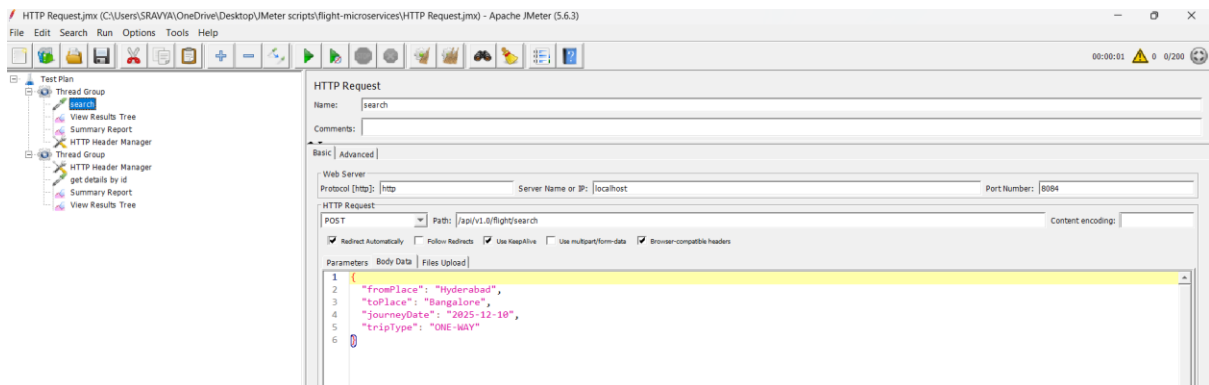
Preview

Visualize

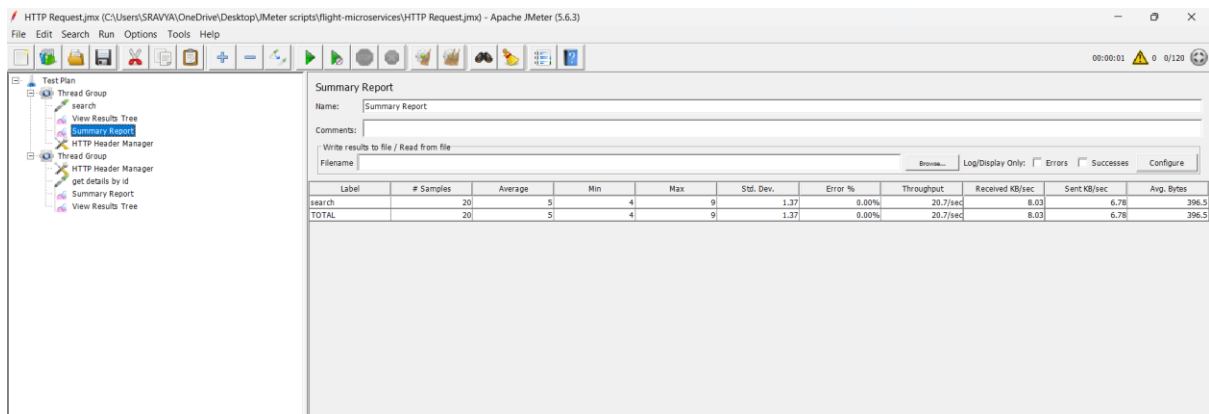
```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```

Jmeter:

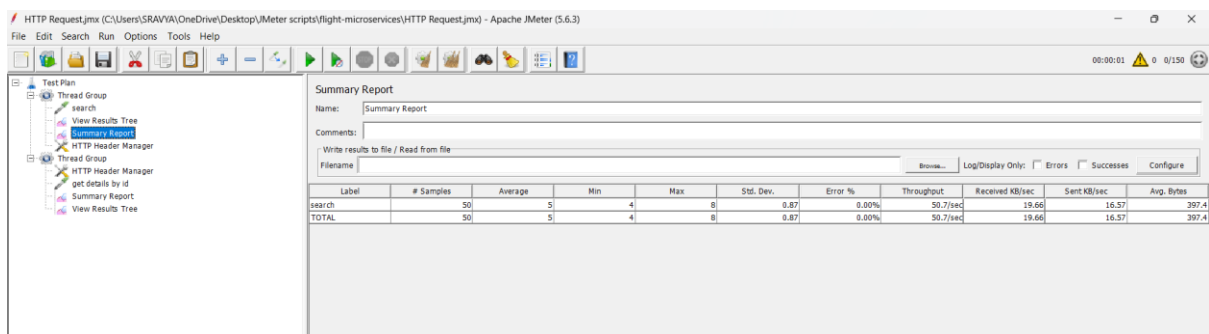
Search flights:



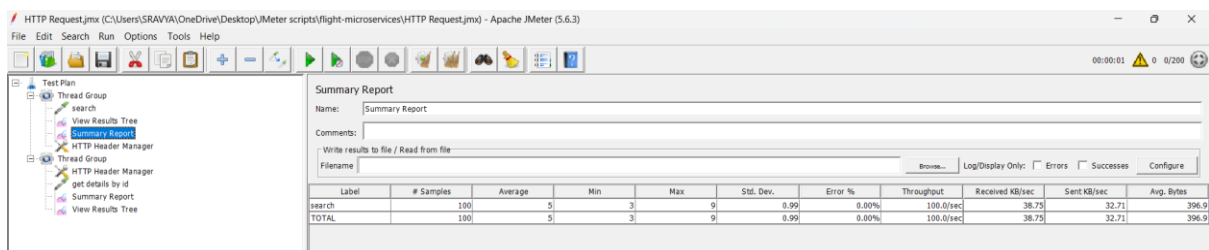
20 samples:



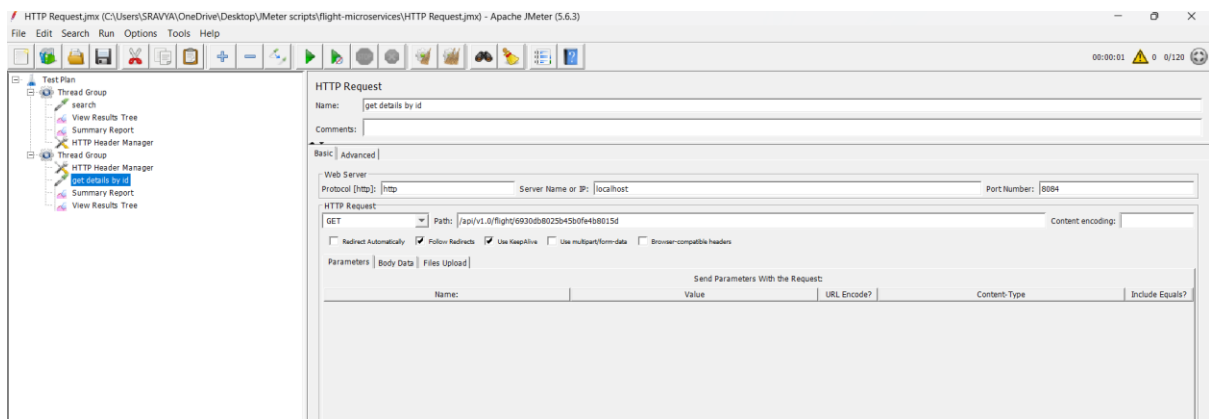
5 samples:



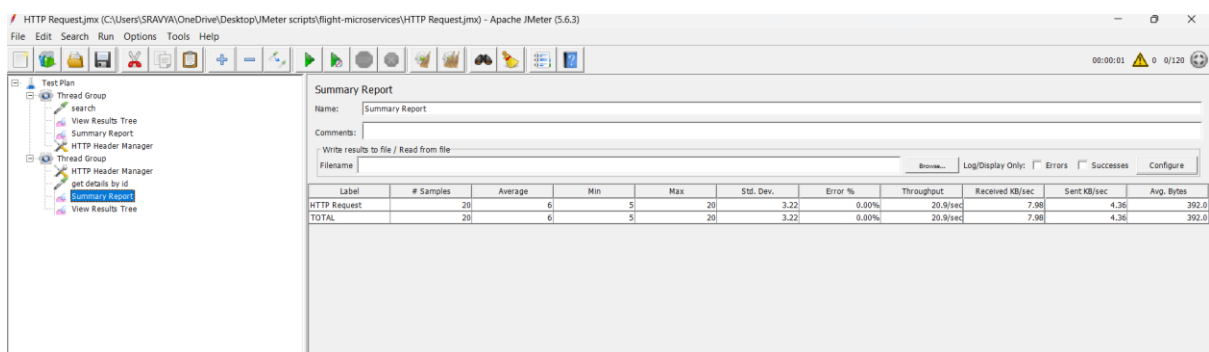
100 samples:



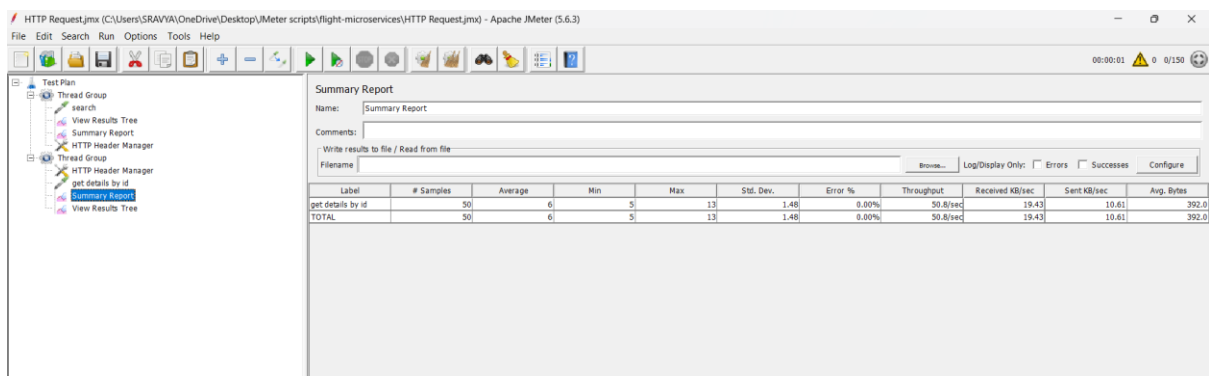
Get flight details by id:



20 samples:



50 samples:



100 samples:

